

[ABSTRACT]

The present invention improves a driving unit of a washing machine, for improving workability in fabrication of a rotor, and enhance rigidity of the rotor.

To achieve this, the present invention provides a direct drive motor in a washing machine including a stator 14 having a winding portion with coils wound thereon, a rotor having a sidewall 13b, and a rear wall 13a with a pass through hole 131 at a center, and fastening pass through holes 138 around the pass through hole 131, an annular washer 30 in close contact with, and fixedly secured to, the rear wall 13a of the rotor 13, the annular washer 30 having fastening pass through holes 300a in a surface thereof in correspondence to fastening pass through holes 138 in the rear wall of the rotor, a connector 16 of resin having a vibration mode different from the washing shaft, fixedly secured to an inner side of the rear wall of the rotor for supporting the washing shaft, the connector having fastening pass through holes 162 in correspondence to the fastening pass through holes 138 around the pass through hole 131, bolts 'B' passed through the fastening pass through holes in the connector 16, the rotor 13, and the washer 30, and nuts 'N' fastened to threads on the bolts 'B' for holding the connector 16, the rotor, and the washer together.